

## SWP Weekly Water Quality Summary

October 27 to November 3, 2010

**Electrical Conductivity (EC):** EC concentrations decreased at all the stations. All EC concentrations were below the Article 19 Monthly Average Objective of 733  $\mu\text{S}/\text{cm}$  (440 mg/L). Concentrations ranged from 229 to 581  $\mu\text{S}/\text{cm}$  (137 to 349 mg/L). At the end of the week, the lowest concentration of 229  $\mu\text{S}/\text{cm}$  (137 mg/L) occurred at Barker Slough, and the highest concentration of 492  $\mu\text{S}/\text{cm}$  (295 mg/L) occurred at Check 29. EC at Harvey O. Banks Pumping Plant (HBP) decreased from 393  $\mu\text{S}/\text{cm}$  to 390  $\mu\text{S}/\text{cm}$  (236 to 234 mg/L).

**Bromide\*:** Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at all the stations. By the end of the week, Barker Slough had the lowest concentration of 0.06 mg/L, while the highest concentration of 0.23 mg/L occurred at Check 29.

\* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

**Turbidity:** Turbidity levels decreased at HBP, Check 29, Check 41, and Vallecitos but increased at Barker Slough. Turbidity levels ranged from 3.6 NTU to 45.3 NTU. At the end of the week, the lowest level of 3.6 NTU occurred at Check 29, while the highest level of 45.3 NTU occurred at Barker Slough. Turbidity levels at HBP decreased from 8.8 NTU to 8.3 NTU.

**Dissolved Organic Carbon (DOC):** Concentrations decreased from 1.7 to 1.6 mg/L at Check 13 and increased from 1.7 to 2.0 mg/L at HBP and 2.5 to 2.7 mg/L at Edmonston.

**Taste and Odor Compounds:** MIB and geosmin concentrations in the SWP ranged from non-detect to 5 ng/L at Clifton Court Inlet, HBP, Del Valle Check 7, O'Neill Forebay Check 13, San Luis Reservoir and Pacheco Pumping Plant Outlet.

Groundwater pump-ins to the California Aqueduct totaled 1,510AF. The breakdown of the total volume was:

- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 38 AF
- Semitropic (2&3) Water Storage District = 1,472AF

*During the week, no data were available for Devil Canyon due to malfunctioning instruments.*

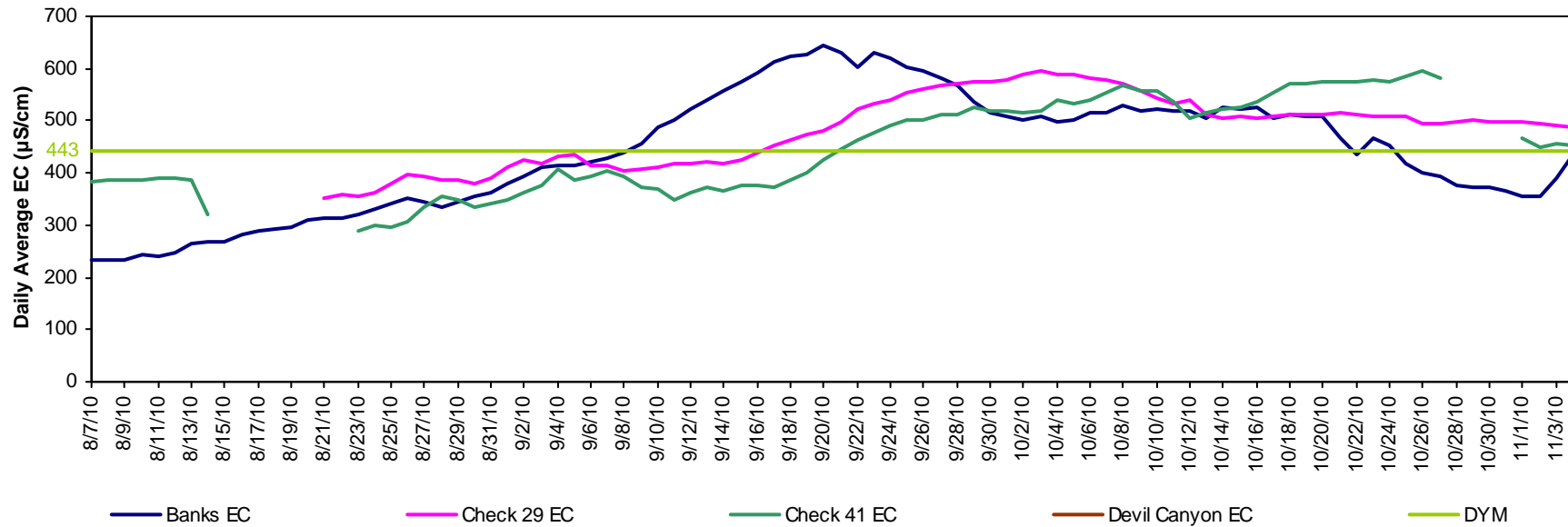
**NOTE:** All HBP data in this water quality summary are preliminary and subject to change. Division of Operations and Maintenance staff are investigating potential anomalies in hourly data recorded at HBP. Based on the outcome of this investigation, the reported daily average values for EC, bromide, turbidity, and dissolved organic carbon may change.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). You can direct your comments, questions and suggestions to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit:

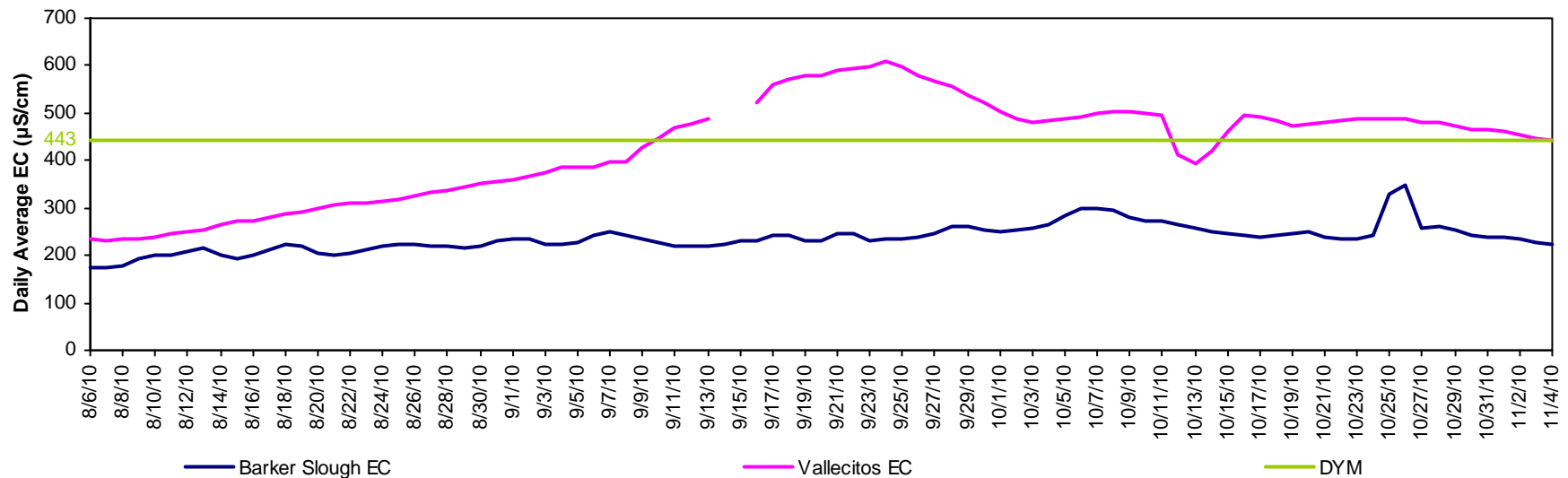
[http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation\\_map.cfm](http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm), and click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit [www.water.ca.gov](http://www.water.ca.gov). Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

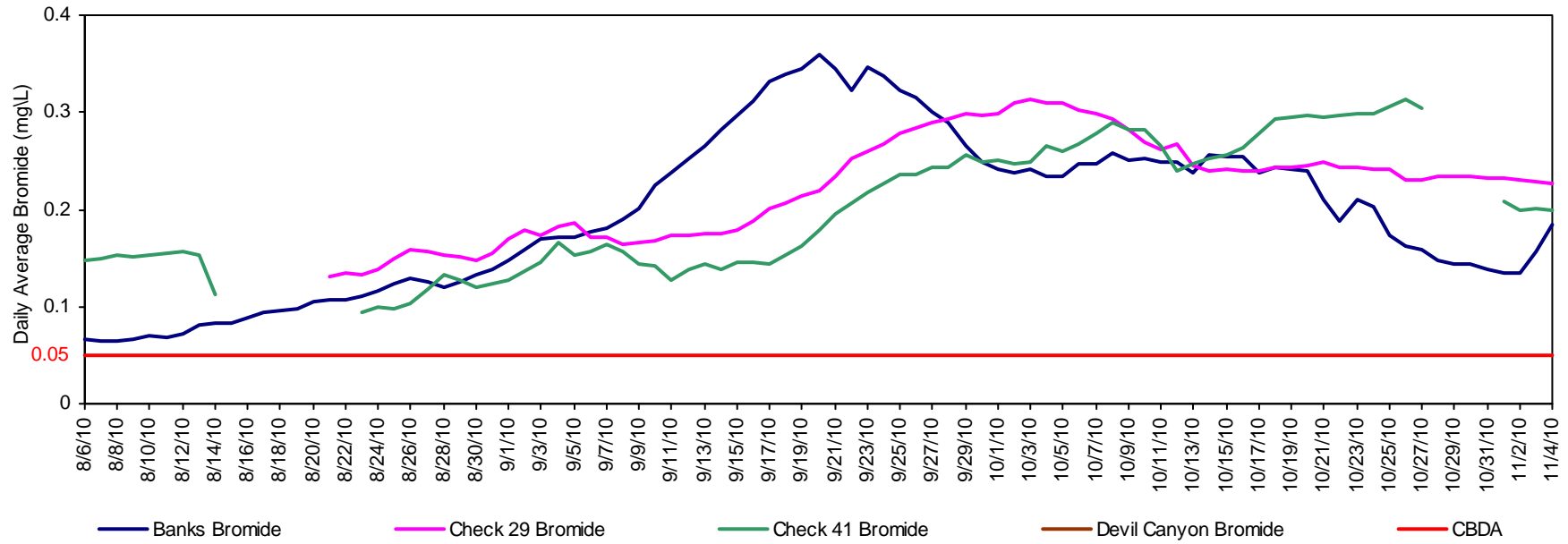
## California Aqueduct - Electrical Conductivity



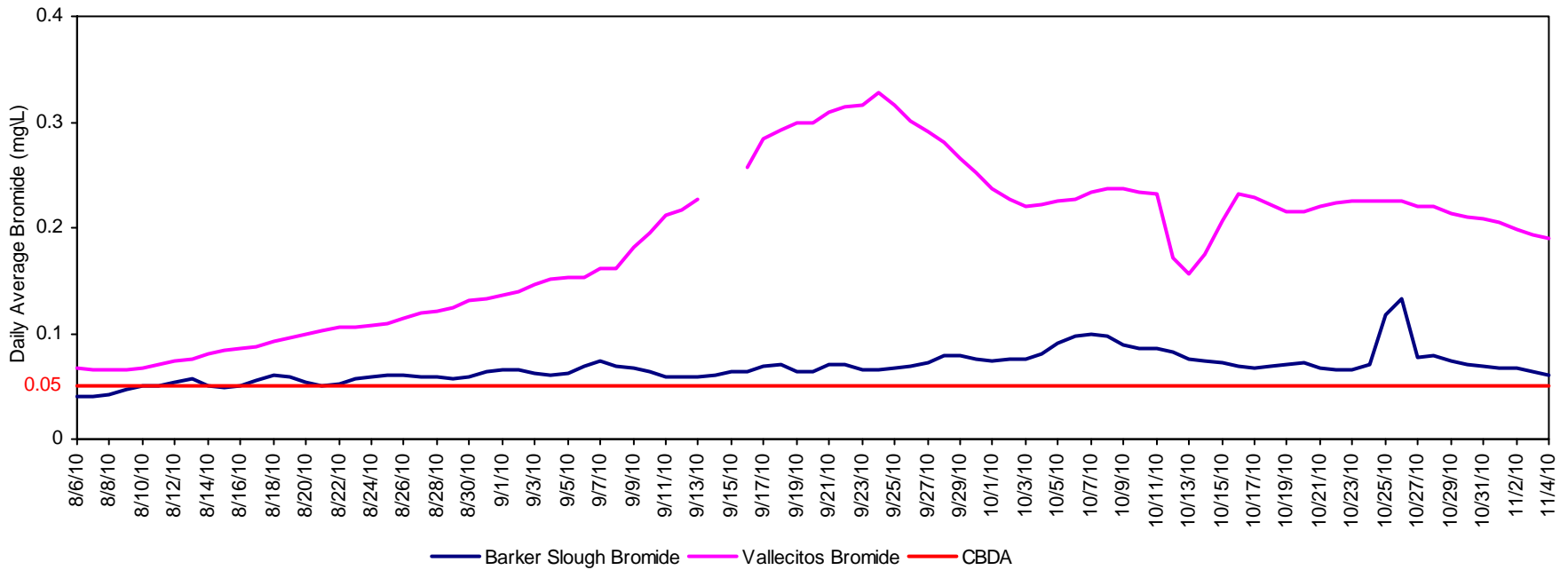
## North and South Bay Aqueduct - Electrical Conductivity



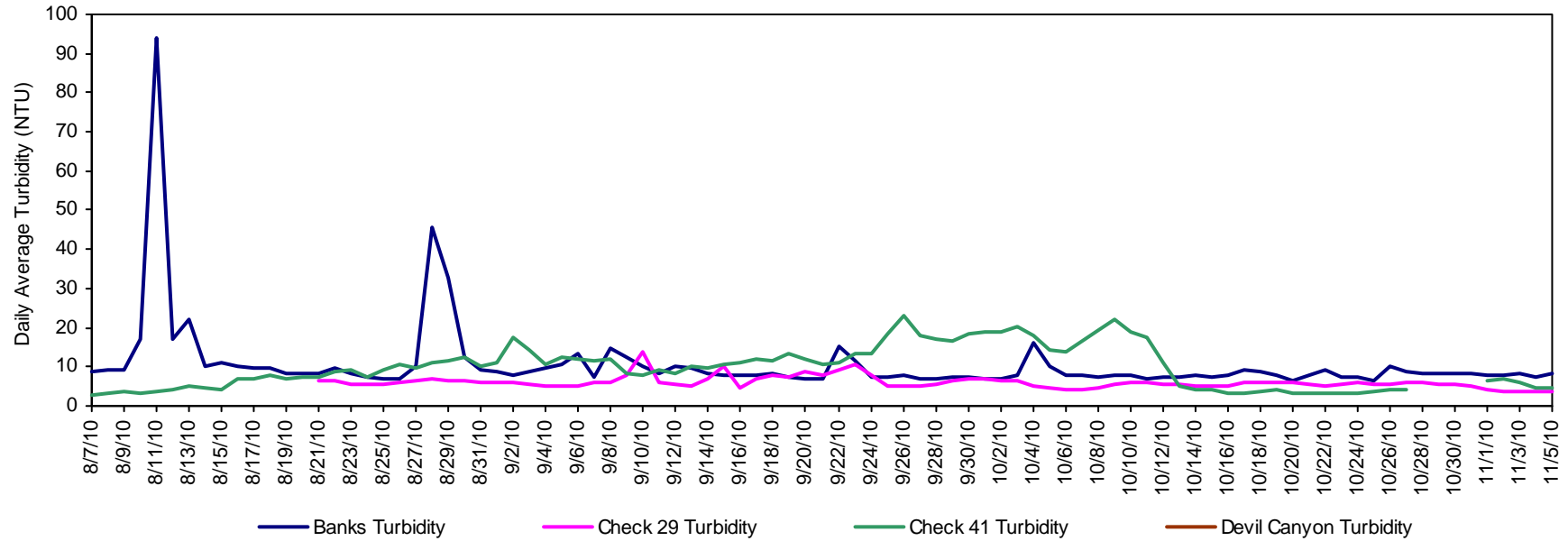
### California Aqueduct - Calculated Bromide



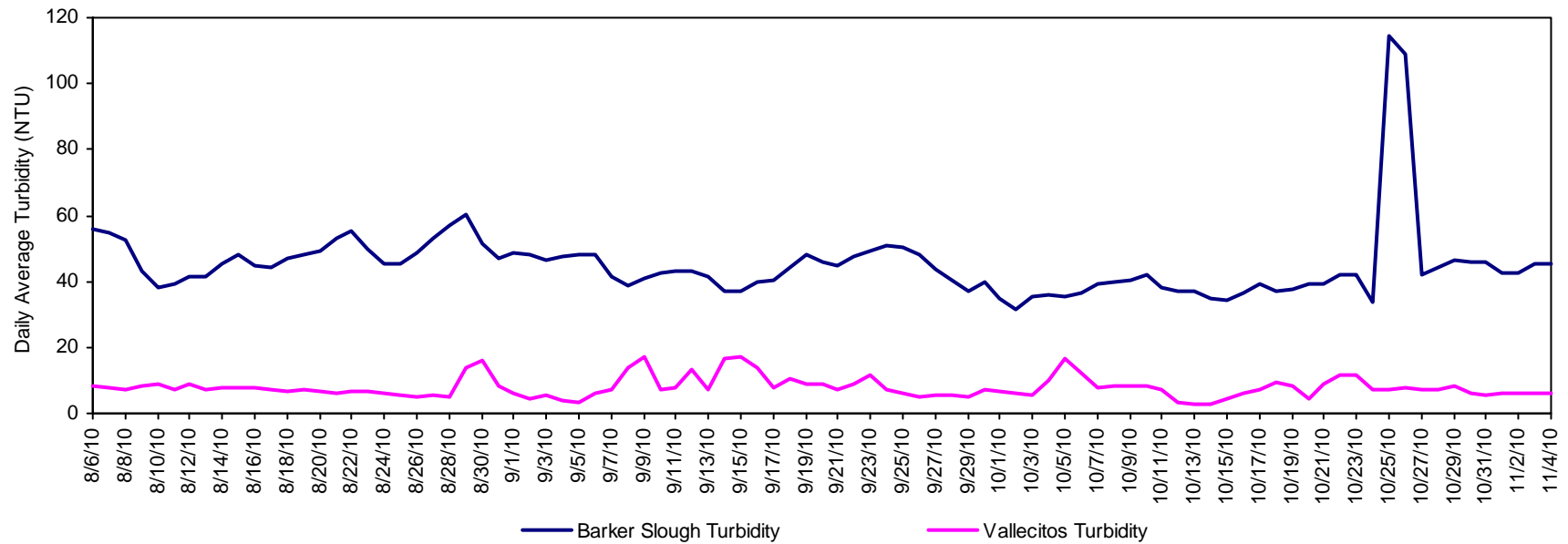
### North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct  
Calculated Dissolved Organic Carbon

